

Claims

[c1] An isolated nucleic acid having at least 80% nucleic acid sequence identity to:
(a) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92);
(b) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92);
(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
(e) the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91);
(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91); or
(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203225.

[c2] The isolated nucleic acid of Claim 1 having at least 85% nucleic acid sequence identity to:
(a) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92);
(b) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92);
(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
(e) the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91);
(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91); or
(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203225.

[c3] The isolated nucleic acid of Claim 1 having at least 90% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92);
(b) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92);
(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
(e) the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91);
(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91); or
(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203225.

[c4] The isolated nucleic acid of Claim 1 having at least 95% nucleic acid sequence identity to:
(a) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92);
(b) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92);
(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
(e) the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91);
(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91); or
(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203225.

[c5] The isolated nucleic acid of Claim 1 having at least 99% nucleic acid sequence identity to:
(a) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92);

(b)a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;

(c)a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92);

(d)a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;

(e)the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91);

(f)the full-length coding sequence of the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91); or

(g)the full-length coding sequence of the cDNA deposited under ATCC accession number 203225.

[c6]

An isolated nucleic acid comprising:

(a)a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92);

(b)a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;

(c)a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92);

(d)a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;

(e)the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91);

(f)the full-length coding sequence of the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91); or

(g)the full-length coding sequence of the cDNA deposited under ATCC accession number 203225.

[c7]

The isolated nucleic acid of Claim 6 comprising a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92).

[c8]

The isolated nucleic acid of Claim 6 comprising a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide.

[c9]

The isolated nucleic acid of Claim 6 comprising a nucleic acid sequence

encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92).

- [c10] The isolated nucleic acid of Claim 6 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide.
- [c11] The isolated nucleic acid of Claim 6 comprising the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91).
- [c12] The isolated nucleic acid of Claim 6 comprising the full-length coding sequence of the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91).
- [c13] The isolated nucleic acid of Claim 6 comprising the full-length coding sequence of the cDNA deposited under ATCC accession number 203225.
- [c14] An isolated nucleic acid that hybridizes to:
 - (a) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92);
 - (b) a nucleic acid sequence encoding the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
 - (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92);
 - (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 92 (SEQ ID NO:92), lacking its associated signal peptide;
 - (e) the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91);
 - (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 91 (SEQ ID NO:91); or
 - (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203225.
- [c15] The isolated nucleic acid of Claim 14, wherein said hybridization occurs under stringent conditions.
- [c16] The isolated nucleic acid of Claim 14 which is at least 10 nucleotides in length.
- [c17] A vector comprising the nucleic acid of Claim 1.

- [c18] The vector of Claim 17, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.
- [c19] A host cell comprising the vector of Claim 17.
- [c20] The host cell of Claim 19, wherein said cell is a CHO cell, an *E. coli* or a yeast cell.